

ABSTRACT

A method for identifying the track capacity of a track on an optical disk, the method includes utilizing an optical disk drive to determine if any link block exists in any track of a session having a target track; determining the write mode of the target track; and calculating the track capacity of the target track according to its write mode. If the write mode of the target track is disk-at-once, session-at-once, or RAW mode, the pre-gap is excluded from the track capacity of the target track. If the write mode is track-at-once or variable packet write mode, the pre-gap and link blocks in track end is excluded from the track capacity of the target track. If the write mode is in fixed packet write mode, the pre-gap and link blocks among all packets within the target track is excluded from the track capacity of the target track.